

Site Listings



Section III

Unknown Source/Water Supply Sites

Sites With Unknown Sources of Contamination Where Immediate Environmental Concerns Have Been Addressed

The 50 sites listed below include both residential and municipal potable wells that have become contaminated and were dealt with by NJDEP in past years. At the majority of the sites, volatile organic compounds were the primary contaminants of concern detected and some form of receptor control has been installed to protect public health. For residential wells, once contamination was confirmed at levels above state drinking water standards, a Point-of-Entry Treatment (POET) home water filtration system normally was installed as an interim measure until a long-term water supply alternative could be developed. In many cases the long-term solution was to extend water lines to affected properties, while some involved maintaining and monitoring the existing POETs. Some municipal water supply wells had to be taken out of service or relocated. All eligible costs of interim and long-term water treatment systems, supplies and other actions were reimbursed by NJDEP through the State's Spill Fund. For affected municipal wells, NJDEP paid for construction of treatment systems also through the Spill Fund while the local governments covered the costs associated with operation, maintenance and monitoring of the systems. NJDEP also is or will be conducting preliminary assessments and site investigations at these sites to determine the source(s) of the contamination affecting these areas of the state.

Atlantic County

Site Name:	New York Avenue Ground Water Contamination	Action Taken:	Receptor Control–Water Line
Street Address:	New York Avenue		
Municipality:	Absecon City	Contaminants:	Tetrachloroethylene 1,1,1-Trichloroethane 1,1-Dichloroethylene

Site Name:	Boston Avenue Ground Water Contamination	Action Taken:	Receptor Control–Water Line
Street Address:	Boston Avenue		
Municipality:	Egg Harbor Township	Contaminants:	Tetrachloroethylene Trichloroethylene Mercury

Site Name:	Delilah Oaks Ground Water Contamination	Action Taken:	Receptor Control–Water Line
Street Address:	Delilah Road and Kingsley Drive		
Municipality:	Egg Harbor Township	Contaminants:	Tetrachloroethylene Trichloroethylene cis-1,2-Dichloroethene

Site Name:	Farmington II Ground Water Contamination	Action Taken:	Receptor Control–Water Line
Street Address:	Doughty and Fire Roads and Spruce Avenue		
Municipality:	Egg Harbor Township	Contaminants:	Mercury

Site Name:	Carvel Avenue Ground Water Contamination	Action Taken:	Receptor Control–POETS/Water Line
Street Address:	Carvel Avenue		
Municipality:	Galloway Township	Contaminants:	Benzene

Site Name:	Lisa Drive Ground Water Contamination	Action Taken:	Receptor Control–POETS
Street Address:	Lisa Drive		
Municipality:	Galloway Township	Contaminants:	Tetrachloroethylene Trichloroethylene

Atlantic County (continued)

Site Name: Haddon Avenue Ground Water Contamination
Street Address: Haddon Avenue
Municipality: Northfield City

Action Taken: Receptor Control–Water Line

Contaminants: Trichloroethylene
Tetrachloroethylene
Carbon Tetrachloride

Site Name: Pinehurst Section Ground Water Contamination
Street Address: Various Locations
Municipality: Galloway Township

Action Taken: Receptor Control–Water Line

Contaminants: Trichloroethylene
Mercury
Tetrachloroethylene
Methylene Chloride

Site Name: Spring Mill Drive Ground Water Contamination
Street Address: Spring Mill Drive
Municipality: Galloway Township

Action Taken: Receptor Control–POETS/Water Line

Contaminants: Trichloroethylene
Mercury

Bergen County

Site Name: Hackensack Water Company Emerson Well 11
Street Address: Main Street and Glenwood Avenue
Municipality: Emerson Borough

Action Taken: Receptor Control–Well Taken Out of Service

Contaminants: Trichloroethylene

Site Name: Ramapo Indian Hill Regional High School
Street Address: 331 George Street
Municipality: Franklin Lakes Borough

Action Taken: Receptor Control–Water Line

Contaminants: Tetrachloroethylene

Site Name: Magnolia Avenue Ground Water Contamination
Street Address: Magnolia Avenue
Municipality: Maywood Borough

Action Taken: Receptor Control–Water Line

Contaminants: Tetrachloroethylene
1,2-Dichloroethane
Chloroform

Site Name: Ridgewood Village Well Dept. Grove Street Well
Street Address: Grove Street
Municipality: Ridgewood Village

Action Taken: Receptor Control–Treatment System

Contaminants: Tetrachloroethylene

Site Name: Ridgewood Village Well Dept. Walthery & Twinney
Street Address: Walthery Avenue and Red Birch Court
Municipality: Ridgewood Village

Action Taken: Receptor Control–Treatment System

Contaminants: Tetrachloroethylene
1,1,1-Trichloroethane
Methyl-tertiary-butyl Ether

Cape May County

Site Name: Cape May Court House Ground Water Contamination
Street Address: Various Locations
Municipality: Middle Township

Action Taken: Receptor Control–Water Line

Contaminants: Trichloroethylene

Cape May County (continued)

Site Name: Mayville Ground Water Contamination
Street Address: Route 9 & 4th and Reading Avenues
Municipality: Middle Township

Action Taken: Receptor Control–Water Line

Contaminants: Tetrachloroethylene
Polychlorinated Biphenyls

Site Name: Whippoorwill Campground
Street Address: 810 South Shore Road
Municipality: Upper Township

Action Taken: Receptor Control–Water Line

Contaminants: Benzene
Xylene
Toluene

Cumberland County

Site Name: Vineland City Water & Sewer Authority Well 7
Street Address: Mill and Almond Roads
Municipality: Vineland City

Action Taken: Receptor Control–Treatment
System/Water Line
Tetrachloroethylene
Trichloroethylene

Essex County

Site Name: Fairfield Township Well Department Wells 2 & 7
Street Address: Passaic Avenue and Greenbrook and Fairfield Roads
Municipality: Fairfield Township

Action Taken: Receptor Control–Wells Taken Out
of Service

Contaminants: 1,1,1-Trichloroethane–Wells 2 & 7
Trichloroethylene–Wells 2 & 7
1,2-Dichloroethane–Well 2
Tetrachloroethylene–Well 7

Site Name: West Caldwell Boro. Ground Water Contamination
Street Address: Passaic and Harrison Avenues
Municipality: West Caldwell Borough

Action Taken: Receptor Control–Water Line

Contaminants: Trichloroethylene
1,1,1-Trichloroethane
cis-1,2-Dichloroethene

Gloucester County

Site Name: Villa Rosello School
Street Address: Main Street and Catawba Road
Municipality: Franklin Township

Action Taken: Receptor Control–Water Line

Contaminants: Mercury

Hunterdon County

Site Name: Pennsylvania Avenue Ground Water Contamination
Street Address: Pennsylvania Avenue
Municipality: Flemington Borough

Action Taken: Receptor Control

Contaminants: Benzene
Tetrachloroethylene

Mercer County

Site Name: Claflin Avenue Ground Water Contamination
Street Address: Claflin and St. Paul Avenues
Municipality: Ewing Township

Action Taken: Receptor Control–Water Line

Contaminants: Volatile Organic Compounds

Mercer County (continued)

Site Name: Harding Street Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Harding Street	
Municipality: Ewing Township	Contaminants: 1,1,1-Trichloroethane Tetrachloroethylene 1,1-Dichloroethylene
Site Name: Morningside Court Ground Water Contamination	Action Taken: Receptor Control–POETS
Street Address: West Delaware Avenue and Route 31	
Municipality: Pennington Borough	Contaminants: Tetrachloroethylene

Middlesex County

Site Name: Mountainview Terrace Ground Water Contamination	Action Taken: Receptor Control–POETS/Water Line
Street Address: Mountainview Terrace	
Municipality: Dunellen Borough	Contaminants: Tetrachloroethylene Trichloroethylene
Site Name: Franklin Avenue Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Franklin Avenue	
Municipality: Piscataway Township	Contaminants: Tetrachloroethylene Trichloroethylene
Site Name: Millstone Apartments & Holiday Inn	Action Taken: Receptor Control
Street Address: Route 1	
Municipality: Plainsboro Township	Contaminants: Trichloroethylene Tetrachloroethylene

Morris County

Site Name: Netcong Borough Water Department Well 5	Action Taken: Receptor Control–Well
Street Address: Flanders Road	Temporarily Taken Out of Service
Municipality: Netcong Borough	Contaminants: Not Available

Ocean County

Site Name: Butler Boulevard Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Butler Boulevard	
Municipality: Berkeley Township	Contaminants: Benzene
Site Name: Breton Harbors Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Breton Harbor Drive	
Municipality: Dover Township	Contaminants: Tetrachloroethylene Trichloroethylene 1,1,1-Trichloroethane 1,1-Dichloroethylene
Site Name: Gilford Park Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Victor Avenue	
Municipality: Dover Township	Contaminants: Tetrachloroethylene

Ocean County (continued)

Site Name: Holly Village Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Harvey Road and Alfred & Holly Village Lanes	
Municipality: Dover Township	Contaminants: Benzene
Site Name: Shelter Cove Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Fischer Boulevard	
Municipality: Dover Township	Contaminants: Volatile Organic Compounds
Site Name: Barnegat Pines North Ground Water Contamination	Action Taken: Receptor Control–POETS/Water Line
Street Address: Various Locations	
Municipality: Lacey Township	Contaminants: Tetrachloroethylene Trichloroethylene
Site Name: Constitution Drive Ground Water Contamination	Action Taken: Receptor Control–POETS/Water Line
Street Address: Constitution Drive	
Municipality: Lacey Township	Contaminants: Benzene Mercury
Site Name: Lake Barnegat Dr. N Ground Water Contamination	Action Taken: Receptor Control–Water Line/ POETS
Street Address: Lake Barnegat Drive N	
Municipality: Lacey Township	Contaminants: Tetrachloroethylene Trichloroethylene
Site Name: Lanoka Harbor Ground Water Contamination	Action Taken: Receptor Control–Water Line
Street Address: Lanoka Harbor	
Municipality: Lacey Township	Contaminants: 1,1,1-Trichloroethane 1,1-Dichloroethylene
Site Name: Great Bay Plaza	Action Taken: Receptor Control–Water Line
Street Address: 232 Mathistown Road	
Municipality: Little Egg Harbor Township	Contaminants: Tetrachloroethylene
Site Name: Little Egg Harbor Atlantis Section	Action Taken: Receptor Control–Water Line
Street Address: Saint Andrews Drive	
Municipality: Little Egg Harbor Township	Contaminants: Tetrachloroethylene
Site Name: Lucy Road Ground Water Contamination	Action Taken: Receptor Control–New Wells Drilled
Street Address: Lucy Road	
Municipality: Lakewood Township	Contaminants: Nitrates
Site Name: Pine Lake Park Ground Water Contamination	Action Taken: Receptor Control–POETS/Water Line
Street Address: Morningside Street	
Municipality: Manchester Township	Contaminants: Trichloroethylene 1,1,1-Trichloroethane Carbon Tetrachloride

Passaic County

Site Name: High Crest Lake Water Company	Action Taken: Receptor Control–Well Taken Out of Service
Street Address: 73 High Crest Drive	
Municipality: West Milford Township	Contaminants: Volatile Organic Compounds

Somerset County

Site Name: Longwood Avenue Ground Water Contamination
Street Address: Longwood Avenue
Municipality: Bound Brook Borough

Action Taken: Receptor Control–Water Line

Contaminants: Volatile Organic Compounds

Site Name: Laurel Avenue Ground Water Contamination
Street Address: Laurel Avenue
Municipality: Franklin Township

Action Taken: Receptor Control–POETS

Contaminants: Carbon Tetrachloride
1,1 Dichloroethylene
Trichloroethylene
Tetrachloroethylene
1,1,2 Trichloroethane

Site Name: Elizabethtown Well Co. Green Brook Wellfield
Street Address: 115 Rock Avenue
Municipality: Green Brook Township

Action Taken: Receptor Control–Treatment System

Contaminants: Volatile Organic Compounds

Site Name: Old Champlain Ground Water Contamination
Street Address: Old Champlain Road
Municipality: Hillsborough Township

Action Taken: Receptor Control–Water Line

Contaminants: Volatile Organic Compounds

Sussex County

Site Name: Byram Township Intermediate School
Street Address: 12 Mansfield Drive
Municipality: Byram Township

Action Taken: Receptor Control–POETS

Contaminants: Volatile Organic Compounds

Site Name: Lake Tamarack Water Company Well 3
Street Address: Lakeside Road
Municipality: Hardyston Township

Action Taken: Receptor Control–POETS

Contaminants: Carbon Tetrachloride

Union County

Site Name: Elizabethtown Well Co. Green Brook Park Well
Street Address: Park & West End Avenues
Municipality: Plainfield City

Action Taken: Receptor Control–Treatment System

Contaminants: Volatile Organic Compounds

Total: 50

Unknown Source/Water Supply Sites

Summary of Sites Where a Preliminary Assessment and Site Investigation Was Completed Between July 1, 1998 and December 31, 1999

The Environmental Measurements and Site Assessment Section of the Site Remediation Program is responsible for identifying, investigating and confirming suspected sources of potable well contamination. There are two objectives of unknown source investigations. First, identifying the source of contamination enables either a responsible party or, when necessary NJDEP, to implement a remedial action to stop the discharge of contamination or remove the source material to limit further public exposure. Second, the identification of the responsible parties allows NJDEP to pursue them for past expenses associated with these cases. Funding for the unknown source investigations is provided under a cooperative agreement with the USEPA.

The unknown source investigations completed during State Fiscal Year 1999 and the first half of State Fiscal Year 2000 (July 1, 1998 and December 31, 1999) are summarized below.

Brooks Avenue Ground Water Contamination Berkeley Township, Ocean County

This case consists of 10 private wells that were contaminated with benzene and/or 1,2 dichloroethane in the Brooks Avenue and Ocean Gate Drive section of Berkeley Township, a residential area located just east of Route 9. The contamination was discovered in late 1993. Benzene, which is a constituent of leaded and unleaded gasoline, was detected at concentrations up to 76.2 parts per billion (ppb) and dichloroethane, a constituent of unleaded gasoline, was detected at concentrations up to 5.0 ppb. The homeowners installed Point-of-Entry Treatment systems (POETS) on their wells in 1994 using Spill Fund monies provided by NJDEP. In 1995, Berkeley Township installed a public water line and connected the affected residences using \$114,000 provided by the Spill Fund.

The Site Remediation Program has identified Bayville Russo Gas as the source of the ground water contamination. This conclusion is based on the operational history of the site, analytical data generated from on-site sampling and on-site and off-site ground water sampling, regional ground water flow and the location of the site with respect to the contaminated wells.

Shelter Cove Ground Water Contamination Dover Township, Ocean County

This site consists of 19 private wells that were contaminated with tetrachloroethylene (also known as perchloroethylene, or PCE), a common dry cleaning solvent. The contaminated wells were located in a residential area east of Fischer Boulevard, south of Bay Avenue and north of Goose Creek. PCE contamination was detected at concentrations up to 60.8 ppb in the private wells. Dover Township installed public water lines to the area in 1986 using \$402,000 provided by the Spill Fund. Approximately 120 private wells were closed and the residences connected to the public water line.

The Site Remediation Program has identified Community Dry Cleaners as the source of the ground contamination. This conclusion is based on the operational history of the site, analytical data generated from on-site and off-site ground water sampling, regional ground water flow direction and the location of the site with respect to the contaminated wells.

